

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

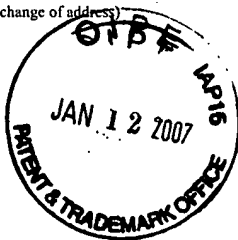
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

00164 7590 11/15/2006

KINNEY & LANGE, P.A.
 THE KINNEY & LANGE BUILDING
 312 SOUTH THIRD STREET
 MINNEAPOLIS, MN 55415-1002

01/16/2007 SSITHIB2 00000026 10771959

01 FC:1501 1400.00 OP
 02 FC:1504 300.00 OP



SENT VIA EXPRESS MAIL
 LABEL NO.: EV 884206025 US

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/771,959	02/04/2004	Peter Hampden Clifton	169.12-0610	3842

TITLE OF INVENTION: TMR SENSOR WITH OXIDIZED ALLOY BARRIER LAYER AND METHOD FOR FORMING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	02/15/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
HOANG, TU BA	2832	338-03200R

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Kinney & Lange, P.A.
 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Seagate Technology LLC

Scotts Valley, CA USA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☒ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature David R. Fairbairn

Date 1/12/07

Typed or printed name David R. Fairbairn

Registration No. 26,047

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named

Inventor : Peter Hampden Clifton

Appln. No. : 10/771,959

Filed : February 4, 2004

Title : TMR SENSOR WITH OXIDIZED ALLOY BARRIER
LAYER AND METHOD FOR FORMING THE SAME

Docket No. : I69.12-0610

Group Art Unit: 2832

Examiner:
Karl D. Easthom

EXPRESS MAIL COVER SHEET

Mail Stop ISSUE FEE
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SENT VIA EXPRESS MAIL

Express Mail No.: EV 884206025 US

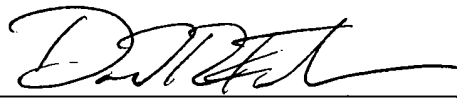
The following papers are being transmitted via **EXPRESS MAIL** to the U.S. Patent and
Trademark Office on the date shown below:

1. Check in the Amount of \$1700 (which includes publication fee);
2. Fee Transmittal Sheet (in duplicate);
3. Part B Fee Transmittal; and
4. Return Receipt Postcard.

Respectfully submitted,

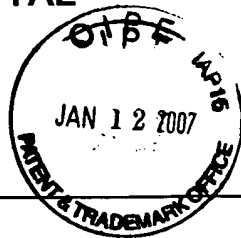
KINNEY & LANGE, P.A.

Date: 1/12/07

By 

David R. Fairbairn, Reg. No. 26,047
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Telephone: (612) 339-1863
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FEE TRANSMITTAL



Complete if Known

Application No. 10/771,959
 Filing Date February 4, 2006
 First Named Inventor Peter Hampden Clifton
 Group Art Unit 2832
 Examiner Name Tu Ba Huang
 Atty. Docket Number I69.12-0620

Total Amount of Payment \$1,700.00

METHOD OF PAYMENT (Check One)

1. ☒ The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. 1.16 and 1.17 and credit any over payments to Deposit Account No.11-0982. Deposit Account Name: Kinney & Lange, P.A. A duplicate copy of this communication is enclosed.

2. ☒ Check Enclosed

FEE CALCULATION

1. BASIC FILING FEE

Appl. Type	FILING FEE FEE/SMALL	SEARCH FEES FEE/SMALL	EXAM FEES FEE/SMALL	FEES
Utility	300 / 150	500 / 250	200 / 100	—
Design	200 / 100	100 / 50	130 / 65	—
Reissue	300 / 150	500 / 250	600 / 300	—
Provisional	200 / 100	-0- / -0-	-0- / -0-	—

Subtotal (1) \$00.00

2. EXTRA CLAIM FEES

	Number Claims	Prior**	Extra	Fee from Fee Paid Below
Total	* -	* =	* X	* = *
Indep.	* -	* =	* X	* = *
Multiple Dependent Claims				* = *

**Insert 3 and 20, or number previously paid if greater; Reissue see below

Large Entity Fee Code	Small Entity Fee Code	Description
1202 50	2202 25	Claims in excess of 20
1201 200	2201 100	Independent claims in excess of 3
1203 360	2203 180	Multiple Dependent Claim
1204 200	2204 100	Reissue Independent Claims Over Original Patent
1205 50	2205 25	Reissue claims in excess of 20 and over original patent

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 small) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 C.F.R. 1.16(s). \$00.00

Subtotal (2) \$00.00

FEE CALCULATION (Continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee paid
1051 130	2051 65	Surcharge - Late filing fee or oath	*
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	*
1053 130	1053 130	Non-English specification	*
1812 2,520	1812 2,520	For Filing a Request for Reexamination	*
1251 120	2251 60	Extension for reply within first month	*
1252 450	2252 225	Extension for reply within second month	*
1253 1,020	2253 510	Extension for reply within third month	*
1254 1,590	2254 795	Extension for reply within fourth month	*
1255 2,160	2255 1,080	Extension for reply within fifth month	*
1402 500	2402 250	Filing a brief in support of an appeal	*
1403 1,000	2403 500	Request for oral hearing	*
1814 130	2814 65	Terminal Disclaimer Fee	*
1452 500	2452 250	Petition to revive - unavoidable	*
1453 1,500	2453 750	Petition to revive - unintentional	*
1501 1,400	2501 700	Utility/Reissue issue fee	1,400
1502 800	2502 400	Design issue fee	*
1460 130	1460 130	Petitions to the Commissioner	*
1807 50	1807 50	Petitions related to provisional applications	*
1806 180	1806 180	Submission of Information Disclosure Statement	*
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	*
1801 790	2801 395	Request for Continued Examination (RCE)	*
Other fee (specify) <u>Publication Fee</u>			300

Subtotal (3) \$1,700.00

Signature David R. Fairbairn

Reg. No. 26,047

Date 1/12/07

Deposit Account No. 11-0982